Journal of Luminescence 47 (1991) 335–337
North-Holland

Author index

Aaviksoo, J., see Reznitsky, A. 47 (1991) 297
Adam, J.L., see Illarramendi, M.A. 47 (1991) 207
Alfano, R.R., see Gayen, S.K. 47 (1990) 181
Amaranath, G., S. Buddhudu, F.J. Bryant, L. Xi, B. Yu and S. Huang, Spectroscopic properties of Nd^{3+}-doped heavy metal fluoride glasses 47 (1991) 255
Anghelov, B.M., Intermediate coupled wave functions of R^{3+} in $LiRP_4O_{12}$ (R = Pr OR Tm) 47 (1990) 59
Ashida, M., see Köhler, J. 47 (1991) 239

Balda, R., see Illarramendi, M.A. 47 (1991) 207
Baumruk, V., see Večeř, J. 47 (1990) 93
Béliveau, A., see Carlone, C. 47 (1991) 309
Bennett, B.L., see Jahan, M.S. 47 (1990) 85
Berkowitz, J.K., see Mishra, K.C. 47 (1991) 197
Bisht, P.B., H.B. Tripathi and D.D. Pant, Reinvestigation of photophysics of 2-naphthol-amine hydrogen bonded system 47 (1991) 261
Blasse, G., see Meijerink, A. 47 (1990) 1
Bodenschatz, N., R. Wannemacher, J. Heber and D. Mateika, Electronically resonant optical cross relaxation in YAG: Tb^{3+} 47 (1990) 159
Bradshaw, J.L., W.J. Choyke, R.P. Devaty and R.L. Messham, Photoluminescence from carriers confined at an Al_xGa_{1-x}-As/GaAs heterojunction interface 47 (1991) 249
Bryant, F.J., see Amaranath, G. 47 (1991) 255
Buddhudu, S., see Amaranath, G. 47 (1991) 255

Carlone, C., A. Béliveau and N.L. Rowell, On the anti-Stokes fluorescence in $Cd_{1-x}Zn_xS$ crystals 47 (1991) 309
Chepic, D.I., Al.L. Efros, A.I. Ekimov, M.G. Ivanov, V.A. Kharchenko, I.A. Kudriavtsev and T.V. Yazeva, Auger ionization of semiconductor quantum drops in a glass matrix 47 (1990) 113
Choyke, W.J., see Bradshaw, J.L. 47 (1991) 249
Cooke, D.W., see Jahan, M.S. 47 (1990) 85

Dale, E.A., see Mishra, K.C. 47 (1991) 197
DeBoer, B.G., see Mishra, K.C. 47 (1991) 197
Demos, S.G., see Gayen, S.K. 47 (1990) 181
Devaty, R.P., see Bradshaw, J.L. 47 (1991) 249
Dowell, L.J., A research bibliography on the Förster, Dexter, and Inokuti–Hirayama fluorescence models 47 (1990) 71

Efros, Al.L., see Chepic, D.I. 47 (1990) 113
Ekimov, A.I., see Chepic, D.I. 47 (1990) 113
Elcov, A.W., N.P. Smirnova, A.I. Ponyaev, W.P. Martinova, R. Schütz and H. Hartmann, Photophysical studies on polyhalogenated xanthene dyes 47 (1990) 99

Fernández, J., see Illarramendi, M.A. 47 (1991) 207
Freiberg, A., see Travnikov, V.V. 47 (1990) 107
Fujiwara, K., see Nagata, S. 47 (1990) 147

Garapon, C., see Viana, B. 47 (1990) 73
Gayen, S.K., W.B. Wang, V. Petričević, S.G. Demos and R.R. Alfano, Picosecond excite-and-probe absorption measurement of nonradiative transition dynamics in emerald 47 (1990) 181
Ge, W., book review: *Survey of Semiconductor Physics* 47 (1990) 193
Güdel, H.U., see Reber, C. 47 (1990) 7
Güdel, H.U., see May, P.S. 47 (1990) 19

Hartmann, H., see Elcov, A.W. 47 (1990) 99
Hayashi, T., see Yonezawa, Y. 47 (1990) 49
Heber, J., see Bodenschatz, N. 47 (1990) 159
Heber, J., see Richter, K. 47 (1990) 169
Henderson, B., see Yamaga, M. 47 (1990) 65
Huang, S., see Amaranath, G. 47 (1991) 255
Hubig, S.M., The effect of micellar media on photoinduced electron transfer reactions in methylviologen–naphthalene ground-state charge-transfer complexes 47 (1990) 137
Hults, W.L., see Jahan, M.S. 47 (1990) 85

Illarramendi, M.A., J. Fernández, R. Balda, J. Lucas and J.L. Adam, Optical spectroscopy of Cr^{3+} doped fluoride BIGaZYT glass 47 (1991) 207
Ivanov, M.G., see Chepic, D.I. 47 (1990) 113

Jacquier, B., see Joubert, M.F. 47 (1991) 269
Jahan, M.S., D.W. Cooke, W.L. Hults, J.L. Smith, B.L. Bennett and M.A. Maez, Thermally stimulated luminescence from commonly occurring impurity phases in high-temperature superconductors 47 (1990) 85
Jelínek, O., see Večeř, J. 47 (1990) 93
Johnson, K.H., see Mishra, K.C. 47 (1991) 197

0022-2313/91/$03.50 © 1991 – Elsevier Science Publishers B.V. (North-Holland)

Joubert, M.F., B. Jacquier, C. Linarès and R.M. Macfarlane, A spectroscopic study of $BaY_2F_8:Nd^{3+}$ 47 (1991) 269

Kaneko, F., see Ohta, S.-I. 47 (1990) 41
Kato, R., see Köhler, J. 47 (1991) 239
Kharchenko, V.A., see Chepic, D.I. 47 (1990) 113
Kiselev, V.F., see Vyshkvarko, A.A. 47 (1991) 327
Kobayashi, S., see Ohta, S.-I. 47 (1990) 41
Koepke, Cz. and A. Lempicki, Excited state absorption in $CaMoO_4$ 47 (1990) 189
Koepke, Cz. and A. Lempicki, Electronic photochromism: case study of bismuth germanate 47 (1991) 227
Köhler, J., M. Ashida, R. Kato, Th. Schmidt and D. Schmid, Slow thermalization of singlet excitons in $NaNO_2$ crystals 47 (1991) 239
Kudriavtsev, I.A., see Chepic, D.I. 47 (1990) 113

Lejus, A.M., see Viana, B. 47 (1990) 73
Lempicki, A., see Koepke, Cz. 47 (1990) 189
Lempicki, A., see Koepke, Cz. 47 (1991) 227
Linarès, C., see Joubert, M.F. 47 (1991) 269
Lucas, J., see Illarramendi, M.A. 47 (1991) 207

Macfarlane, R.M., see Joubert, M.F. 47 (1991) 269
Maez, M.A., see Jahan, M.S. 47 (1990) 85
Marshall, A., see Yamaga, M. 47 (1990) 65
Martinova, W.P., see Elcov, A.W. 47 (1990) 99
Mateika, D., see Bodenschatz, N. 47 (1990) 159
Mateika, D., see Richter, K. 47 (1990) 169
Matsui, A., see Nakanishi, T. 47 (1991) 303
May, P.S. and H.U. Güdel, One- and two-color sequential two-photon excitation of visible Ni^{2+} luminescence in $Ni^{2+}:CsCdCl_3$ 47 (1990) 19
Meijerink, A. and G. Blasse, Luminescence and temperature dependent decay behaviour of divalent europium in $Ba_5SiO_4X_6$ (X = Cl, Br) 47 (1990) 1
Mel'chakov, E.N., see Rodnyi, P.A. 47 (1991) 281
Messham, R.L., see Bradshaw, J.L. 47 (1991) 249
Mishra, K.C., K.H. Johnson, B.G. DeBoer, J.K. Berkowitz, J. Olsen and E.A. Dale, First principles investigation of electronic structure and associated properties of zinc orthosilicate phosphors 47 (1991) 197
Mizuno, K.-I., see Nakanishi, T. 47 (1991) 303

Nagata, S., K. Fujiwara and H. Nishimura, Dynamical aspects of excitons in NaI 47 (1990) 147
Nakanishi, T., K.-I. Mizuno, A. Matsui and H. Nishimura, Reabsorption of excitonic luminescence in pyrene crystals 47 (1991) 303
Naumov, A., see Reznitsky, A. 47 (1991) 297
Nishimura, H., see Nagata, S. 47 (1990) 147
Nishimura, H., see Nakanishi, T. 47 (1991) 303
Noukakis, D. and P. Suppan, Photophysics of aminophthalimides in solution I 47 (1991) 285

O'Donnell, K.P., see Yamaga, M. 47 (1990) 65
Ohta, S.-I., T. Tadokoro, S. Satou, S. Kobayashi and F. Kaneko, Effects of Mn effusion cell temperature on the film properties and on the AC electroluminescence of molecular beam deposited ZnS:Mn 47 (1990) 41
Olba, A., F. Tomas and I. Zabala, Photophysical behavior of norharmane related to proximity effect 47 (1990) 27
Olsen, J., see Mishra, K.C. 47 (1991) 197

Pandey, K.K. and T.C. Pant, Migration modulated donor–acceptor energy transfer in PMMA 47 (1991) 319
Pant, D.D., see Bisht, P.B. 47 (1991) 261
Pant, T.C., see Pandey, K.K. 47 (1991) 319
Paschenko, V.Z., see Vyshkvarko, A.A. 47 (1991) 327
Petričević, V., see Gayen, S.K. 47 (1990) 181
Plotnikov, G.S., see Vyshkvarko, A.A. 47 (1991) 327
Pollock, C.R., see Sennaroglu, A. 47 (1991) 217
Ponyaev, A.I., see Elcov, A.W. 47 (1990) 99

Reber, C. and H.U. Güdel, Nonradiative relaxation processes in V^{3+} doped halide and oxide lattices 47 (1990) 7
Reimand, I., see Reznitsky, A. 47 (1991) 297
Reznitsky, A., A. Naumov, S. Verbin, J. Aaviksoo and I. Reimand, Exciton and pair recombination through alloy-trapped states in $CdS_{1-x}Se_x$ and $ZnSe_{1-x}Te_x$ solid solutions 47 (1991) 297
Richter, K., R. Wannemacher, J. Heber and D. Mateika, Direct observation of migration of optical excitation energy in YAG: Tb^{3+} 47 (1990) 169
Rodnyi, P.A., M.A. Terekhin and E.N. Mel'chakov, Radiative core-valence transitions in barium-based fluorides 47 (1991) 281
Rotman, S.R., Chromium decay times in chromium-doped yttrium aluminum garnet 47 (1990) 177
Rowell, N.L., see Carlone, C. 47 (1991) 309

Satou, S., see Ohta, S.-I. 47 (1990) 41
Savikhin, S.F., see Travnikov, V.V. 47 (1990) 107
Schmid, D., see Köhler, J. 47 (1991) 239
Schmidt, Th., see Köhler, J. 47 (1991) 239
Schütz, R., see Elcov, A.W. 47 (1990) 99
Sennaroglu, A. and C.R. Pollock, Calculation of the transition energies of the $F_2^+:O^{2-}$ laser-active color centers in sodium chloride 47 (1991) 217
Smirnova, N.P., see Elcov, A.W. 47 (1990) 99

Smith, J.L., see Jahan, M.S. 47 (1990) 85
Snyder, R. and A.C. Testa, Influence of complexation on the emission and electronic relaxation of acridine 47 (1990) 35
Suppan, P., see Noukakis, D. 47 (1991) 285

Tadokoro, T., see Ohta, S.-I. 47 (1990) 41
Terekhin, M.A., see Rodnyi, P.A. 47 (1991) 281
Testa, A.C., see Snyder, R. 47 (1990) 35
Tomas, F., see Olba, A. 47 (1990) 27
Travnikov, V.V., A. Freiberg and S.F. Savikhin, Surface excitons in ZnO crystals 47 (1990) 107
Tripathi, H.B., see Bisht, P.B. 47 (1991) 261

Ushioda, S., Light emission associated with tunneling phenomena 47 (1990) 131

Večeř, J., V. Baumruk and O. Jelínek, Polarized phosphorescence of adeninium hemisulphate hydrate single crystal 47 (1990) 93
Verbin, S., see Reznitsky, A. 47 (1991) 297
Viana, B., C. Garapon, A.M. Lejus and D. Vivien, $Cr^{3+} \rightarrow Nd^{3+}$ energy transfer in the $LaMgAl_{11}O_{19}$: Cr, Nd laser material 47 (1990) 73
Vivien, D., see Viana, B. 47 (1990) 73
Vyshkvarko, A.A., V.F. Kiselev, V.Z. Paschenko and G.S. Plotnikov, Luminescence quenching kinetics of photo-excited adsorbed dye molecules in insulators and insulator–semiconductor structures 47 (1991) 327

Wang, W.B., see Gayen, S.K. 47 (1990) 181
Wannemacher, R., see Bodenschatz, N. 47 (1990) 159
Wannemacher, R., see Richter, K. 47 (1990) 169

Xi, L., see Amaranath, G. 47 (1991) 255

Yamaga, M., A. Marshall, K.P. O'Donnell and B. Henderson, Polarized photoluminescence from Cr^{3+} ions in laser host crystals III 47 (1990) 65
Yazeva, T.V., see Chepic, D.I. 47 (1990) 113
Yonezawa, Y. and T. Hayashi, Excitation energy transfer between J-aggregates of cyanine dyes arranged in a layer structure 47 (1990) 49
Yu, B., see Amaranath, G. 47 (1991) 255

Zabala, I., see Olba, A. 47 (1990) 27

Journal of Luminescence 47 (1991) 338
North-Holland

Subject index

Adsorbed dye 327
Alloy-trapped states 297
Anti-Stokes fluorescence 309
Auger ionization 113

Charge transfer 285
Charge-transfer complexes 137
Color centers 217
Complex formation 261
Complexation 35
Confined carriers 249
Core-valence transitions 281
Cross relaxation 159

Dimerization 327

Electroluminescence 41
Electron transfer 137
Electronic relaxation 35
Electronic structure 197
Energy transfer 49, 71, 73, 147, 169, 319, 327
Excited state absorption 189
Excitons thermalization 239

Heterojunction 249
High-temperature superconductors 85
Hydrogen bond 261

Insulator–semiconductor structure 327
Intermediate coupling 59

J-aggregates 49

Laser host 65, 73, 255

MBE films 41
Micellar media 137

Nonradiative decay 99, 207
Nonradiative relaxation 7
Nonradiative transition 181

Pair recombination 297
Phosphors 1, 197
Photochromism 227
Polarized phosphorescence 93
Polarized photoluminescence 65
Proximity effect 27

Quantum drops 113
Quenching kinetics 327

Radicals 99
Reabsorption 303

Self-trapped exciton 147
Solvent effects 27, 285
Surface excitons 107

Temperature dependent decay 1, 177
Thermally stimulated luminescence 85
Tunneling 131
Two-photon excitation 19

Up-conversion lasers 269

0022-2313/91/$03.50 © 1991 – Elsevier Science Publishers B.V. (North-Holland)

Journal of Luminescence 47 (1991) 339
North-Holland

Materials index

2-naphthol-amine 261
Acridine 35
Adeninium hemisulphate hydrate 93
$Al_xGa_{1-x}As/GaAs$ 249
Aminophthalimides 285

$BaF_2:LnF_3$ 281
$BaLiF_3$ 281
$BaMgF_4$ 281
$Ba_5SiO_4X_6$ (X = Cl, Br) 1
BaY_2F_8 281
$BaY_2F_8:Nd^{3+}$ 269
$BaZnF_4$ 281
$Be_3Al_2(SiO_3)_6$ 181
Bismuth germanate 227

$CaMoO_4$ 189
CdS 113
$CdS_{1-x}Se_x$ 297
Cr^{3+} 65, 73, 177, 181, 207
$CsCdCl_3$ 19

Emerald 181
Eu^{2+} 1

Fluoride BIGaZYT glass 207
Fluoride glasses 255
$F_2^+:O^{2-}$ 217

Ge 327
GeO_2 327

$LaMgAl_{11}O_{19}$ 73
$LiRP_4O_{12}$ 59

Methylviologen naphthalene 137

NaI 147
$NaNO_2$ 239
Nd^{3+} 73, 255
Ni^{2+} 19
Norharmane 27

PMMA 319
Polyhalogenated xanthene 99
Pr 59
Pyrene 303

Sodium chloride 217

Tb^{3+} 159, 169
Tm 59

V^{3+} 7

YAG 159, 169, 177
YBCO 85

Zinc orthosilicate 197
ZnO 107
$ZnSe_{1-x}Te_x$ 297
ZnS:Mn 41
$ZnWO_4$ 65

0022-2313/91/$03.50 © 1991 – Elsevier Science Publishers B.V. (North-Holland)